

Career Cluster:

ADVANCED MANUFACTURING TECHNOLOGY- TECHNICAL DESIGN (CAD) ATA

[Technical Design/CAD](#) is designed to provide skills and knowledge in a variety of computer aided design (CAD) software including CATIA version 5, Solid Works and AutoCAD. Skills learned in this program are taught using applied methods where training is practical and hands-on.

The Advanced Manufacturing program is actually a cluster of programs designed to prepare students for careers in areas such as aviation maintenance, computer controlled machining, welding and fabrication, composites design/repair, CAD based design technology, or a position coordinating all these activities.

Students seeking entry into the technical world would begin with the Manufacturing Pre-Employment Certificate, a credential that would allow one to work in entry-level manufacturing. For those seeking a higher level of education, and the job skills and responsibilities that go with it, EvCC offers skills oriented ATA Degrees. The Advanced Manufacturing Technology curriculum guide describes all three levels in the Technical Design discipline.

CAREER & TECHNICAL EDUCATION OPPORTUNITIES

Courses are connected to and articulated with high schools via Tech Prep credit. If your school district is listed here, contact your counselor about Tech Prep opportunities.

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|------------------------------|---------------------------|
| Lake Stevens School District | Snohomish School District |
| Lakewood School District | Sno-Isle Skills Center |
| Monroe School District | Stanwood School District |

MANUFACTURING EMPLOYMENT READINESS (MFG T 102)

Students that complete MFG T 102 will earn the two certificates outlined below. This is an optional entry into the Technical Design (CAD) Program.

MANUFACTURING PRE-EMPLOYMENT CERTIFICATE

The [Manufacturing Pre-Employment Certificate](#) (12 credits), sometimes offered as I-BEST, is a one-quarter program designed to prepare students to work at the entry level in a manufacturing facility and the aerospace industry.

This certificate may be considered a stand-alone credential for people seeking to enter the manufacturing field, or as part of a stackable set of certificates and degrees in the [EvCC Advanced Manufacturing Program](#).

NATIONAL CAREER READINESS

[National Career Readiness Certificate](#)

The National Career Readiness Certificate (NCRC) is an industry-recognized, portable, evidence-based credential that certifies essential skills needed for workplace success.

FOUR-YEAR DEGREE OPTIONS

In general, the Associate of Technical Arts (ATA) degree has limited transferability to a university for a bachelor's degree. However, [Central Washington University](#) offers an online Bachelor of Applied Science degree that accepts the ATA degree.

EVCC ADMISSIONS OPTIONS

Students who have earned a high school diploma or GED or students over the age of 18 may apply to Everett Community College online. Alternative options are listed below. Remember,

Stay Close ~ Go Far with EvCC

- | | |
|--------------------------------------------|----------------------------------------------|
| Admission Application | English as a Second Language |
| Adult Basic Education | Youth Re-engagement |
| College in the High School | Running Start |

FOR MORE INFORMATION CONTACT

The Technical Design (CAD) Advisors:

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[ATA Advanced Manufacturing Technology- Technical Design \(CAD\)](#) (90 credits)

CAREER AND EMPLOYMENT OPTIONS

Job titles may include Tooling Tech Engineer, Design Tech, Drafting Tech.

[O*NET Online](#)

[Aeroindustry Jobs](#)

[Career One-Stop Online](#)

CAREER AND EMPLOYMENT DATA - SNOHOMISH COUNTY

Washington State Employment Security Department (WSED) provides data and information about occupations and careers.

[WSED Snohomish County High Demand Occupations](#)

U. S. DEPARTMENT OF EDUCATION AND GAINFUL EMPLOYMENT

For more information about EvCC graduation rates, the median debt of students who completed the program, and other important information, visit our website at www.everettcc.edu/GainfulEmployment